



UNIVERSITAS GADJAH MADA

Faculty of Mathematics and Natural Sciences

Department of Mathematics

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STAFF HANDBOOK

Name	Sri Wahyuni, Prof. Dr.		
Post	Algebra		
Academic Career		Institution	Year
	Initial Academic Appointment	Universitas Gadjah Mada	1983
	Post Doctoral	-	-
	Doctoral Degree	University of Graz, Austria	1996
	Master Degree	Insitut Teknologi Bandung	1989
	Undergraduate Degree	Universitas Gadjah Mada	1983
Employment	Position	Employer	Period
	Tenaga Pengajar/CPNS	Universitas Gadjah Mada	01/03/1983 - 01/07/1984
	Asisten Ahli Madya	Universitas Gadjah Mada	01/07/1984 - 01/10/1987
	Asisten Ahli	Universitas Gadjah Mada	01/10/1987 - 01/02/1991
	Instructor (Lektor Muda)	Universitas Gadjah Mada	01/02/1991 - 01/11/1998
	Assistant Professor (Lektor)	Universitas Gadjah Mada	01/11/1998- 01/01/2001
	Associate Professor (Lektor Kepala)	Universitas Gadjah Mada	01/01/2001- 01/10/2003
	Full Professor (Guru Besar)	Universitas Gadjah Mada	01/10/2003- present
Research and development projects over the last 5 years	<ol style="list-style-type: none"> Directorate Higher Education Research Project - PMDSU Research Grant : Pendefinisian Modul Order Maksimal dalam Modul Fraksi, 2020-2022 (Indah Emilia Wijayanti (PI), Sri Wahyuni, Mu'amar Musa Nurwigantara) Amount of financing 210.000.000 IDR Faculty Mathematics and Natural Sciences UGM Research Project: “On Regularity Modules”, Period: 2023 Partner: Sri Wahyuni (Principal Investigator), Indah Emilia Wijayanti, Yeni Susanti, Budi Surodjo, Ari Suparwanto, Al. Sutjiana, Uha Isnaeni, Iwan Ernanto. Amount of financing: IDR 60.000.000,- Faculty Mathematics and Natural Sciences UGM Research Project: “Generalization of von Neumann Regular Rings To von Neumann Regular Modules”, Period: 2022 Partner: Sri Wahyuni (Principal Investigator), Hubbi Muhammad. Amount of financing: IDR 15.000.000,- 		

	<p>4. Directorate Higher Education Research Project (Competence Based Research Project / Penelitian Hibah Kompetensi Dikti) “On Properties of Locally $S(N)$-Prime Submodules on $S(N)$-Multiplication Modules and The Dualization” (“Sifat-Sifat Submodul Prima-$S(N)$ Lokal Dalam Modul Multiplikasi-$S(N)$ dan Dualisasinya”) Period: 2015-2016 Partner: Dr. Indah Emilia Wijayanti (Principal Investigator) Amount of financing: IDR 240.000.000,-</p> <p>5. Directorate Higher Education Research Project (Competence Based Research Project / Penelitian Hibah Kompetensi Dikti) “On Properties of Fully Prime Modules” (“Sifat-Sifat Modul Prima Penuh”) Period: 2013 Partner: Dr. Indah Emilia Wijayanti (Principal Investigator) Amount of financing: IDR 110.000.000,-</p> <p>6. Post Graduate Research Grant : Representasi Grup dan Ring pada Modul atas Daerah Ideal Utama dan Aplikasinya pada Masalah Pengkodean, 2017-2019 (Sri Wahyuni, Indah Emilia Wijayanti) 450.000.000 IDR</p> <p>7. Fundamental Research Grant : Dualisasi Submodul Prima Lemah dan Submodul Kedua Lemah dalam Komodul atas Koaljabar (Indah Emilia Wijayanti (PI), Sri Wahyuni, Dian Ariesta Yuwaningsih) 250.000.000 IDR</p> <p>8. Magister Thesis Research Grant : Idealizer dan Ring Konteks Morita, 2019 (Indah Emilia Wijayanti (PI), Sri Wahyuni, Kholida Khoirunnisa, Novita Dahoklory) 50.000.000 IDR</p> <p>9. Faculty Mathematics and Natural Sciences UGM Research Project “Necessary and Sufficient Conditions of Representation over Principal Ideal Domains” (“Syarat Perlu dan Syarat Cukup Suatu Representasi dari Daerah Ideal Utama Bersifat Tereduksi Lengkap”) Period: 2016 Amount of financing: IDR 15.000.000,-</p> <p>10. Faculty Mathematics and Natural Sciences UGM Research Project “The Connection Between Quasi Prime Submodules, Quasi Primary, and Quasi Second Submodules on Multiplications Modules” (“Hubungan Antara Submodul Semu Prima, Semu Primer, dan Semu Kedua, Pada Modul Multiplikasi”) Period: 2015 Amount of financing: IDR 10.000.000,-</p> <p>11. Faculty Mathematics and Natural Sciences UGM Research Project “The Connection Between Projectivity, Purity, and The Existence of Direct Summand of a Submodules” (“Hubungan Antara Keproyektifan, Kemurnian, dan Eksistensi Penjumlahan Langsung ”) Period: 2014 Amount of financing: IDR 10.000.000,-</p> <p>12. Faculty Mathematics and Natural Sciences UGM Research Project “The Properties of Invertible Modules and Dense Modules” (“Sifat Proyektif Modul Invertibel dan Modul Padat”) Period: 2012 Amount of financing: IDR 5.000.000,-</p>
Industry collaborations over the last 5 years	1. Project Title: Assesor Program Studi Lembaga Akreditasi Mandiri LAMSAMA (2022-sekarang) Partner: LAMSAMA Jakarta

	<p>2. Project Title: Assesor Program Studi Badan Akreditasi Nasional PT (2015-sekarang) Partner: BAN PT Jakarta</p> <p>3. Project Title: Evaluasi Standar Pendidikan Tinggi oleh BSNP (2011) Partners: BSNP - Kemendiknas</p> <p>4. Project Title: Reviewer Program Program Beasiswa LPDP Kementerian Keuangan (2013-2015) Partner: LPDP Kemenkeu</p> <p>5. Project Title: Reviewer Program Hibah Kompetisi (PHK) Program Studi Universitas Islam Indonesia, Yogyakarta (2011-2013) Partner: UII Jogjakarta</p>														
Patents and proprietary rights	<table border="1"> <thead> <tr> <th style="text-align: center;">Title</th> <th style="text-align: center;">Year</th> </tr> </thead> <tbody> <tr> <td>1. Published book: “ALJABAR LINEAR ELEMENTER : Bahan Ajar Inovasi Pembelajaran Digital” Yeni Susanti; Sri Wahyuni; Uha Isnaini, ; Iwan Ernanto. UGM Press ISBN 978-623-359-122-5</td> <td style="text-align: center;">2022</td> </tr> <tr> <td>2. Published book: “Pengantar Teori Grup” Indah Emilia Wijayanti; Dian Ariesta Yuwaningsih, Sri Wahyuni UT Press</td> <td style="text-align: center;">2022</td> </tr> <tr> <td>3. Published book: “Teori Representasi Grup Hingga”; Sri Wahyuni, Indah Emilia Wijayanti, ARIF MUNANDAR; NAIMAH HIJRIATI, ugmpress.ugm.ac.id/id/product/matematika/teori-representasi-grup-hingga</td> <td style="text-align: center;">2019</td> </tr> <tr> <td>4. Published book: “Theory Ring dan Modul” Oleh: Sri Wahyuni, Indah Emilia Wijayanti, Dian Ariesta Yuwaningsih, Ari Dwi Hartanto Akan diterbitkan oleh Gama Press UGM, Yogyakarta</td> <td style="text-align: center;">2016</td> </tr> <tr> <td>5. Published book: “Dasar-Dasar Aljabar Linear dan Penggunaannya Dalam Berbagai Bidang” http://www.gmup.ugm.ac.id/id/product/matematika/dasar-dasar-aljabar-linear-dan-penggunaannya-dalam-berbagai-bidang Oleh: Indah Emilia Wijayanti, Sri Wahyuni, Yeni Susanti Gama Press UGM, Yogyakarta ISBN: 978-602-386-019-7</td> <td style="text-align: center;">2015</td> </tr> <tr> <td>6. Published book: “Buku Materi Pembelajaran UT: ALJABAR” Oleh: Rizky Rosjanuardi, Sri Wahyuni, Indah Emilia Wijayanti Penerbit Universitas Terbuka (UT), Jakarta ISBN: 978-979-011-582-8</td> <td style="text-align: center;">2011</td> </tr> </tbody> </table>	Title	Year	1. Published book: “ALJABAR LINEAR ELEMENTER : Bahan Ajar Inovasi Pembelajaran Digital” Yeni Susanti; Sri Wahyuni; Uha Isnaini, ; Iwan Ernanto. UGM Press ISBN 978-623-359-122-5	2022	2. Published book: “Pengantar Teori Grup” Indah Emilia Wijayanti; Dian Ariesta Yuwaningsih, Sri Wahyuni UT Press	2022	3. Published book: “Teori Representasi Grup Hingga” ; Sri Wahyuni, Indah Emilia Wijayanti, ARIF MUNANDAR; NAIMAH HIJRIATI, ugmpress.ugm.ac.id/id/product/matematika/teori-representasi-grup-hingga	2019	4. Published book: “Theory Ring dan Modul” Oleh: Sri Wahyuni , Indah Emilia Wijayanti, Dian Ariesta Yuwaningsih, Ari Dwi Hartanto Akan diterbitkan oleh Gama Press UGM, Yogyakarta	2016	5. Published book: “Dasar-Dasar Aljabar Linear dan Penggunaannya Dalam Berbagai Bidang” http://www.gmup.ugm.ac.id/id/product/matematika/dasar-dasar-aljabar-linear-dan-penggunaannya-dalam-berbagai-bidang Oleh: Indah Emilia Wijayanti, Sri Wahyuni , Yeni Susanti Gama Press UGM, Yogyakarta ISBN: 978-602-386-019-7	2015	6. Published book: “Buku Materi Pembelajaran UT: ALJABAR” Oleh: Rizky Rosjanuardi, Sri Wahyuni , Indah Emilia Wijayanti Penerbit Universitas Terbuka (UT), Jakarta ISBN: 978-979-011-582-8	2011
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Important publications over the last 5 years	Selected recent publications form a total of approx.:
	<p>2023</p> <ol style="list-style-type: none"> 1. Yogo Dwi Prasetyo, Sri Wahyuni, Yeni Susanti, and Diah Junia Eksi Palupi, Inner Local Exponent of Two-coloured Digraphs with Two Cycles of Length n and $4n+1$, IAENG International Journal of Computer Science, 2023, Vol 50 (3) pp 899-909. 2. Lucia Ratnasari, Sri Wahyuni, Yeni Susanti, and Diah Junia Eksi Palupi, On Constructing Edge Irregular q-Labelling of Several Book Graphs, IAENG International Journal of Applied Mathematics, 2023, Vol. 53 (1). 3. Lucia Ratnasari, Sri Wahyuni, Yeni Susanti, and Diah Junia Eksi Palupi, Total Edge Irregularity Strength of Modified Book Graphs, Southeast Asian Bulletin of Mathematics, (2023), Vol.47 (4) 4. Hijriati, N., Wijayanti, I.E., Surodjo, B., Wahyuni, S., Munandar, A., 2023, A Module Theory Approach on Generalization of Maschke Theorem and Schur's Lemma in Representation Theory, <i>Southeast Asian Bulletin of Mathematics</i> 47 (1), 73-81. 5. Fitriani, Wijayanti, I.E., Surodjo, B., Wahyuni, S., Faisol, A., 2023, A Generalization of Projective Module, <i>Journal of Mathematics Research</i> Vol. 16 no 1. <p>2022</p> <ol style="list-style-type: none"> 6. Sri Wahyuni, Hidetoshi Marubayashi, Iwan Ernanto, and I Putu Yudi Prabadika, On Unique Factorization Modules : A Submodule Approach, <i>Axioms</i> 2022, 11, 288. https://doi.org/10.3390/axioms11060288 7. Yeni Susanti, Sri Wahyuni, Al. Sutjijana, Sutopo, and Iwan Ernanto, Generalized Arithmetic Staircase Graphs and their Total Edge Irregularity Strength, <i>Symmetry Special Issue "Labelings, Colorings and Distances in Graphs"</i> 2022, 14, 1853. https://doi.org/10.3390/sym14091853 8. Nurwigantara, M.M., Wijayanti, I.E., Marubayashi, H., Wahyuni, S., 2022, Krull modules and completely integrally closed modules, <i>Journal of Algebra and Its Applications</i> Vol. 21, No. 1, 2350038 (14 pages). 9. I Putu Yudi Prabadika; Sri Wahyuni, Sufficient and necessary conditions of a module to be the unique factorization modules, AIP Conference Proceedings 2639, 020003 (2022); https://doi.org/10.1063/5.0110885 Published Online: 02 November 2022 <p>2021</p> <ol style="list-style-type: none"> 10. Sri Wahyuni, Hidetoshi Marubayashi, Iwan Ernanto and Sutopo, Strongly graded rings which are generalized Dedekind rings, <i>Journal of Algebra and Its Applications</i> Vol. 19, No. 3 (2020) 2050043 (8 pages) 11. Iwan Ernanto, Hidetoshi Marubayashi, Akira Ueda, Sri Wahyuni Positively Graded Rings which are Unique Factorization Rings, <i>Vietnam Journal of Mathematics</i> volume 49, pages1037–1041 (2021) 12. Yogo Dwi Prasetyo, Sri Wahyuni, Yeni Susanti, and Diah Junia Eksi Palupi , Incoming Local Exponent of Two-cycle Bicolour Hamiltonian Digraph with a Difference of $2n + 1$, IAENG International Journal of Applied Mathematics, 51:3, IJAM_51_3_10 Volume 51, Issue 3: September 2021 13. L Ratnasari, S Wahyuni, Y Susanti and D J E Palupi Total edge irregularity strength of triple book graphs, Journal of Physics: Conference Series, Volume 1722, Tenth International Conference and Workshop on High Dimensional Data Analysis (ICW-HDDA-X) 12-15 October 2020 in

[Sanur-Bali, Indonesia](#), 2021 *J. Phys.: Conf.*

Ser. **1722** 012028 **DOI** 10.1088/1742-6596/1722/1/012028

14. N. Hijriati, S. Wahyuni, and I. E. Wijayanti, [Morita Theory on f-representation of rings](#), Proceedings of the Eighth China–Japan–Korea International Symposium on Ring Theory, **Ring Theory 2019**, pp. 168-175 (2021)
15. Fitriani, Indah Emilia Wijayanti, Budi Surodjo, Sri Wahyuni, Ahmad Faisol, [Category of Submodules of a Uniserial Module](#), Mathematics and Statistics 9(5): 744-748, 2021
16. YOGO DWI PRASETYO, SRI WAHYUNI, YENI SUSANTI, AND DIAH JUNIA EKSI PALUPI, [INCOMING LOCAL EXPONENT FOR A TWO-CYCLE BICOLOUR HAMILTONIAN DIGRAPH WITH A DIFFERENCE OF \$4n + 1\$](#) , International Journal of Combinatorial Graph Theory and Applications Vol. 6, No. 1, (January-June, 2021)
17. Sri Wahyuni, Yunita Septriana Anwar dan I Putu Yudi Prabhadika, [KAJIAN KEKUATAN Z- MODUL Q SEBAGAI INSPIRASI MUNCULNYA KONSEP DAN SIFAT DALAM TEORI MODUL](#), Prosiding KNM XX 2020 Universitas Pattimura, Ambon, 6-7 Juli 2021

2011 - 2019

18. L Ratnasari, S Wahyuni, Y Susanti and D J E Palupi, [Total Edge Irregularity Strength of Arithmetic Book Graphs](#), ICMETA Proceeding, IOP Conf. Series: Journal of Physics: Conf. Series 1306 (2019) 012032
19. L Ratnasari, S Wahyuni, Y Susanti and D J E Palupi, [Total Edge Irregularity Strength of Book Graphs and Double Book Graphs](#), PROCEEDINGS OF THE 8TH SEAMS-UGM INTERNATIONAL CONFERENCE ON MATHEMATICS AND ITS APPLICATIONS 2019: Deepening Mathematical Concepts for Wider Application through Multidisciplinary Research and Industries Collaborations 29 July–1 August 2019 Yogyakarta, Indonesia
20. L Ratnasari, S Wahyuni, Y Susanti and D J E Palupi, [Total Edge Irregularity Strength of Book Graphs of Several Types](#), 5 th ICRIEMS Proceedings Published by Faculty Of Mathematics And Natural Sciences Yogyakarta State University, ISBN 978-602-74529-3-0, 7 Mei 2019 - 8 Mei 2019
21. A Faisol, B Surodjo and S Wahyuni: The Relation between Almost Noetherian Module, [Almost Finitely Generated Module and T-Noetherian Module](#), [Journal of Physics: Conference Series, Volume 1306, The 2nd International Conference on Mathematics: Education, Theory, and Application 30–31 October 2018, Sukoharjo, Indonesia](#)
22. N Hijriati, S Wahyuni and I E Wijayanti, [Injectivity and Projectivity Properties of The Category of Representation Modules of Rings](#), IOP Conf. Series: Journal of Physics: Conf. Series 1097 (2018) 012078 doi :10.1088/1742-6596/1097/1/012078
23. Wahyuni, S., Wijayanti, I.E., France-Jackson, H., 2017, [A Prime Essential Ring that Generates a Special Atom](#), Bull. Aust. Math. Soc. Vol. 95, 214–218

24. Harina O.L. Monim, Indah E. Wijayanti, and Sri Wahyuni , [“ON A CLASSIFICATION OF SEMILATTICE VALUED FUNCTIONS”](#) BULLETIN OF THE INTERNATIONAL MATHEMATICAL VIRTUAL INSTITUTE http://www.imvibl.org/buletin/bulletin_imvi_6_1_2016/bulletin_imvi_6_1

	<p>2015_37_48.pdf, ISSN (p) 2303-4874, ISSN (o) 2303-4955 www.imvibl.org /JOURNALS / BULLETIN Vol. 6(2016), 37-48</p> <p>25. Atun Ismarwati, Halina France-Jackson, Sri Wahyuni, Indah Emilia Wijayanti, “On Nice Modules”, will appear on JP Journal of Algebra, Number Theory and Applications (2016)</p> <p>26. Sutopo, Indah Emilia Wijayanti, Sri Wahyuni “Some Results on Graded N-Prime Submodules”, will appear on Far East Journal of Mathematical Sciences (2016)</p> <p>27. Indah Emilia Wijayanti, Rosi Widia Asiani, Dian Ariesta Yuwaningsih, Sri Wahyuni, “On S(N)-locally prime submodules and the dualization”, AIP Conference Proceedings of The 7th SEAMS-UGM International Conference On Mathematics And Its Applications 2015: Enhancing The Role Of Mathematics In Interdisciplinary Research</p> <p>28. Halina France-Jackson, Sri Wahyuni, Indah E. Wijayanti , “Radical related to special atoms revisited” Bulletin of the Australian Mathematical Society Volume 91, Issue 2, 26 April 2015, Pages 202-210</p> <p>29. Wardati, K., Indah E. Wijayanti, Sri Wahyuni., “On Free Ideals in Free Algebras Over A Commutativs Ring” Journal of The Indonesian Mathematocal Society (JIMS) Vol. 21 No 1, 59-69., Tahun 2015</p> <p>30. Titi Udjiani, Sri Wahyuni, Budi Surodjo “Generalized Moore Penrose inverse in rings with an involution” Far East Journal of Mathematical Sciences Volume 92, Issue 1, 1 September 2014, Pages 29-40</p> <p>31. Wardati, K., Indah E. Wijayanti, Sri Wahyuni “On primeness of path algebras over a unital commutative ring” JP Journal of Algebra, Number Theory and Applications Volume 34, Issue 2, 1 September 2014, Pages 121-138</p> <p>32. M. Andy Rudhito, Sri Wahyuni, Ari Suparwanto and Frans Susilo, “Systems of Fuzzy Number Max-Plus Linear Equations” Journal of the Indonesian Mathematical Society, IndoMS, Vol. 17 No. 1. April 2011, pp. 17-28</p>		
<p>Activities in specialist bodies over the last 5 years (Membership without a specific role need not be mentioned)</p>	<p>Organization</p>	<p>Role</p>	<p>Period</p>
	<p>The Indonesian Mathematical Society</p>	<p>The President for 2 (two) Periods</p>	<p>2002-2004, and 2004-2006</p>
	<p>The Indonesian Mathematical Society</p>	<p>Chair of IICMA 2013 (IndoMS International Conference of Mathematics and Its Applications), Universitas Gadjah Mada, 6-8 November 2013.</p>	<p>2013</p>
	<p>The Indonesian Mathematical Society</p>	<p>Chair of The Workshop in Formulating The Learning Outcome and for Undergraduate Program of Mathematics, Mathematics Education, and Statistioes</p>	<p>2013</p>

		7-8 November 2013	
South East Asian Mathematical Society (SEAMS)	Chair of The Asian Mathematical Conference (AMC) 2016 BALI, INDONESIA, from Mon-Fri, July 25-29, 2016. http://www.amc2016.org/home/		2016
South East Asian Mathematical Society (SEAMS)	Chair of SEAMS School “Representation Theory”, Department of Mathematics, Universitas Gadjah Mada (UGM), Yogyakarta, Indonesia in November 9-17, 2015. http://seams- school2015.fmipa.ugm.ac.id/		2015
South East Asian Mathematical Society (SEAMS)	Chair of ICA 2010/International Conference on Algebra in honor of the 70th birthday of Professor Shum Kar Ping to be held in Yogyakarta, Indonesia on October 7-10, 2010, at Department Mathematics. Universitas Gadjah Mada, Yogyakarta, Indonesia. http://ica2010.ugm.ac.id/drp/		2010
CIMPA / International Center for Pure and Applied Mathematics http://www.cimpa- icpam.org/ France	Chair of UGM-CIMPA 2011 School on Non-linear Computational Geometry, July 18-29, 2011 at Department Mathematics. Universitas Gadjah Mada, Yogyakarta, Indonesia. http://www.cimpa- icpam.org/archivesecoles/2011 1103144950/		2011